

FIG 1

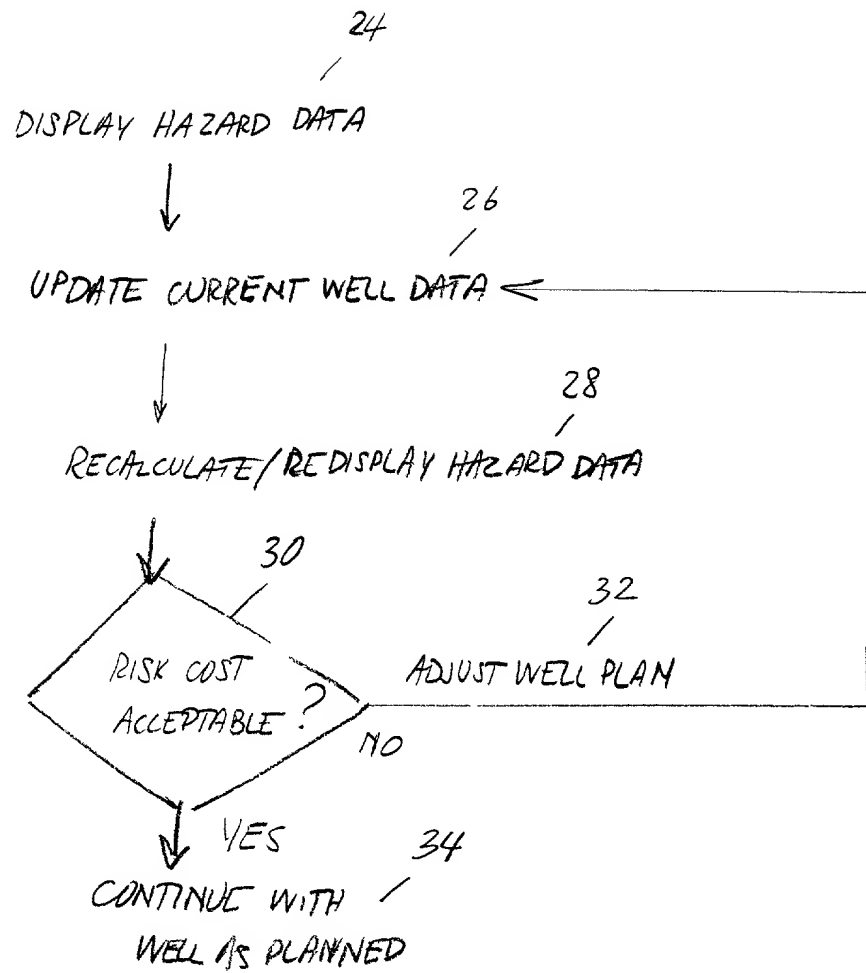


FIG 2

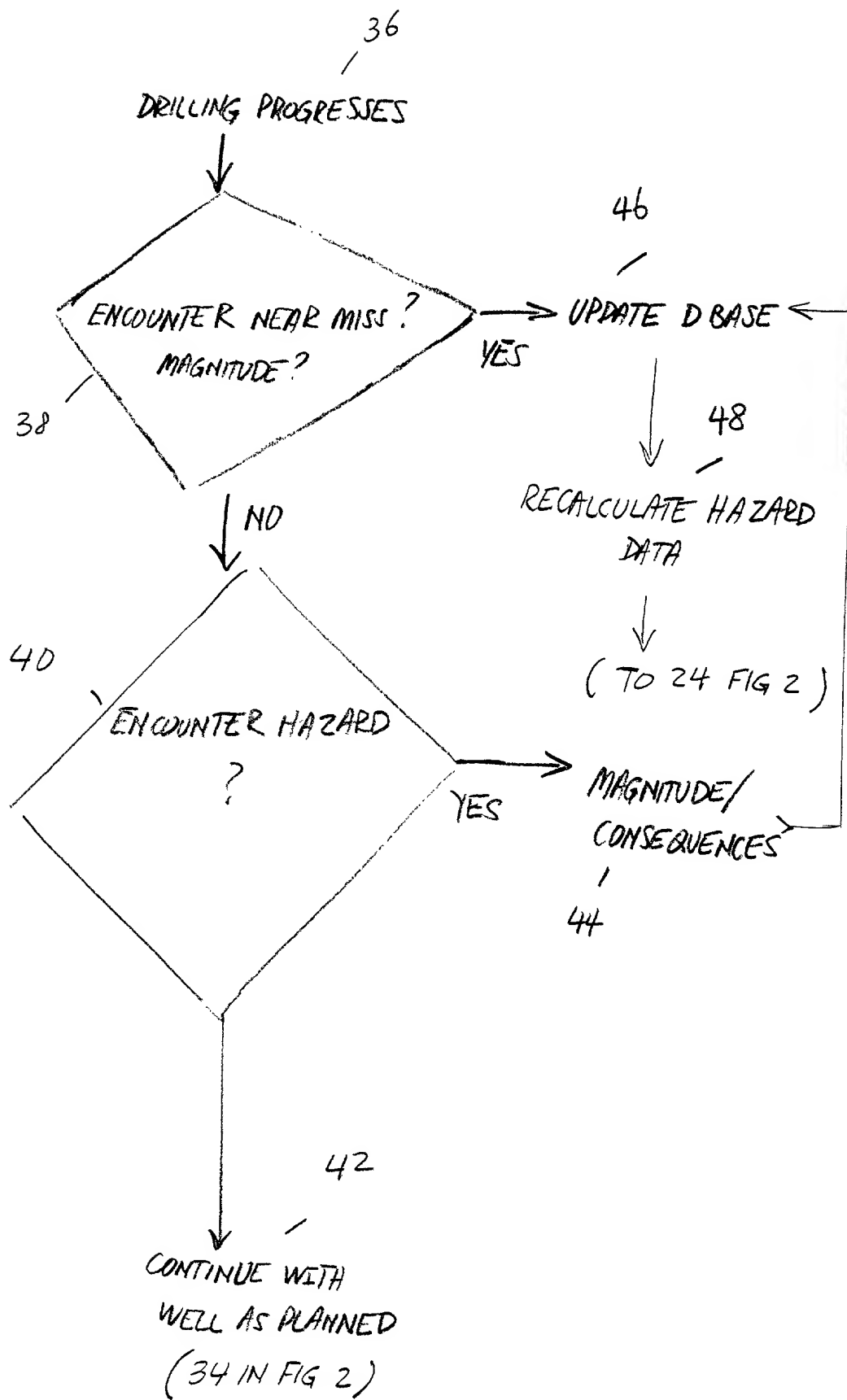


FIG 3

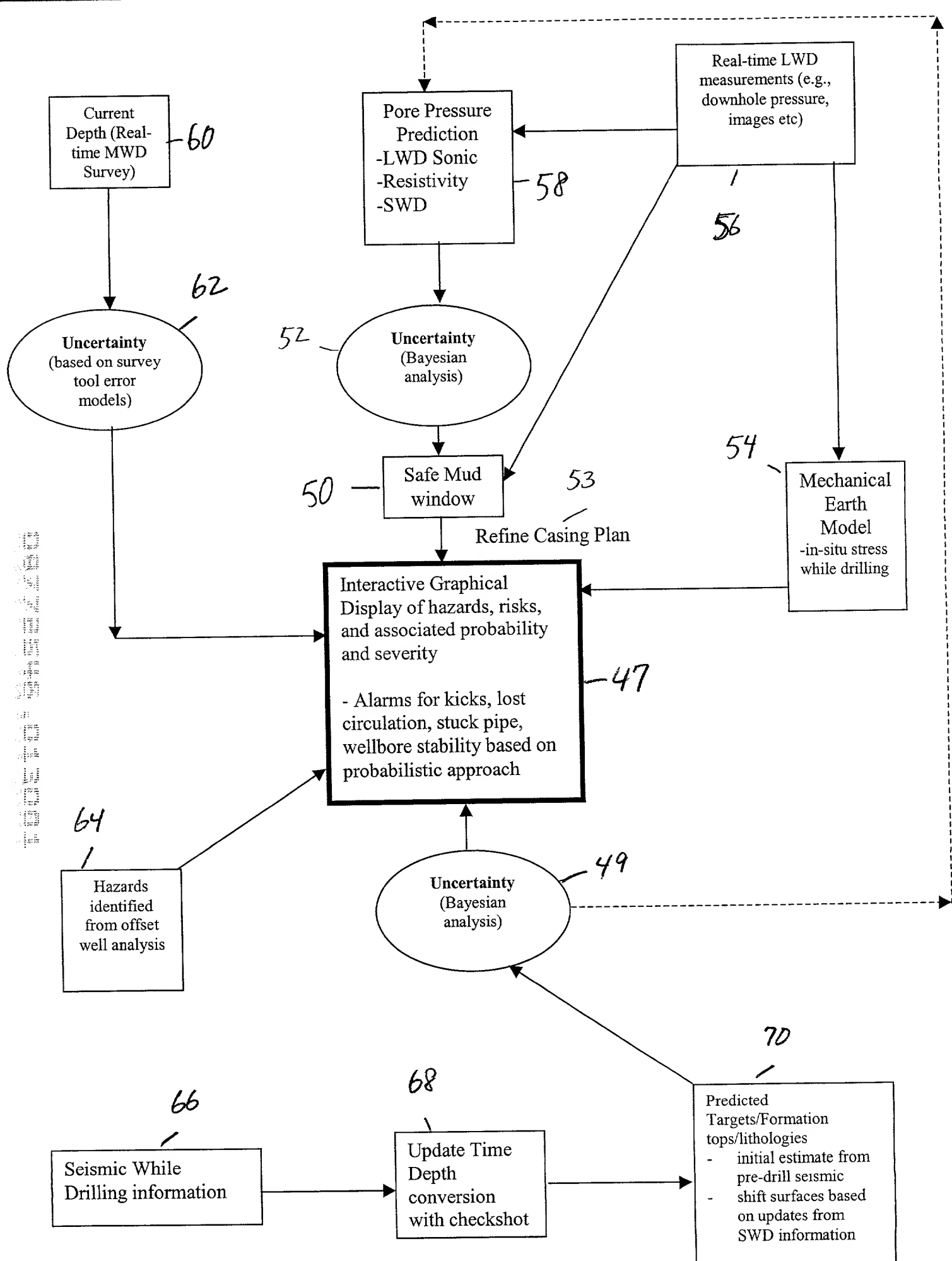


FIG 4

# Depth (Metres)

MDbrt TVDbrt

0	
100	
200	200
300	300
400	400
500	500
600	600
700	700
800	800
900	900
1000	

FIG 5

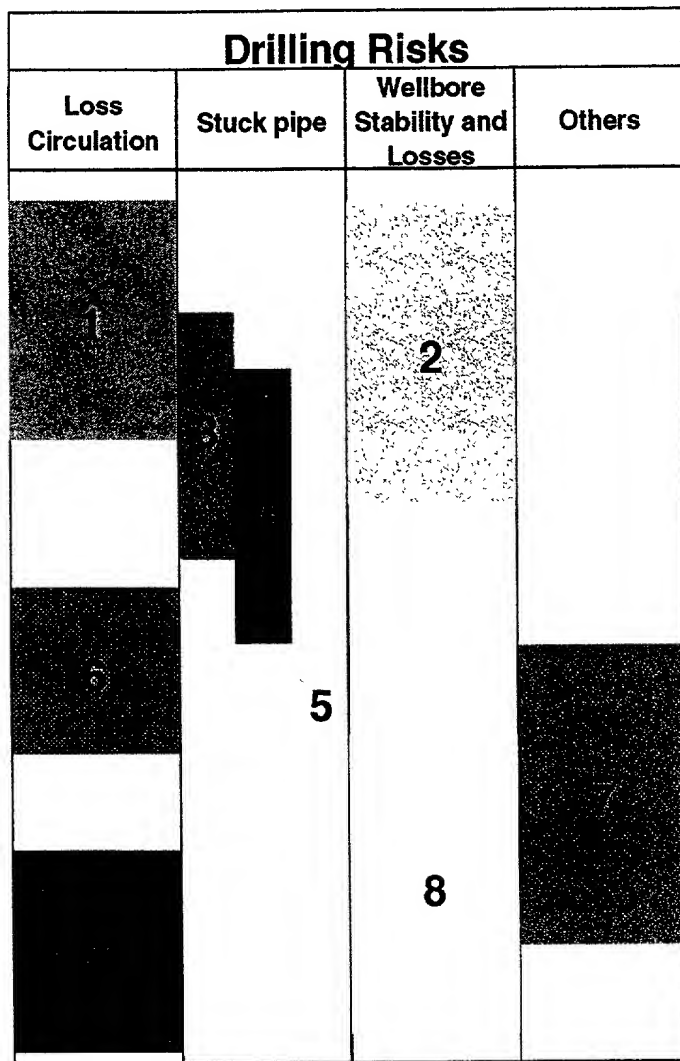


FIG 6

1 -	1350 - 1650 m	1103 - 1253.5 m	1) Potential MUD LOSSES using 1.65sg mud weight.	<ul style="list-style-type: none"> <li>- Keep ECD low</li> <li>- Observe for losses</li> <li>- LCM may be necessary</li> <li>- Maintain good hole cleaning</li> </ul>
2 -	1025 - 1900 m	941 - 1394 m	2) Well Inclination between 55-65 deg. Possible AVALANCHING cuttings beds.	<ul style="list-style-type: none"> <li>- Ensure good hole cleaning and careful tripping of BHA through and below this zone.</li> </ul>
3 -	1675 - 1828 m	1266 - 1351 m	3) Potential MUD LOSSES if ECD exceeds 1.68sg	<ul style="list-style-type: none"> <li>- Keep ECD low (&lt;1.68sg)</li> <li>- Observe for losses</li> <li>- LCM may be necessary</li> </ul>
4 -	1850 - 2070 m	1364 - 1505 m	4) Potential BREAKOUT using 1.65 sg mud weight	<ul style="list-style-type: none"> <li>- Monitor caving volumes</li> <li>- Observe caving morphology</li> <li>- Avoid swabbing during TOH</li> <li>- Good hole cleaning important</li> </ul>
5 -	1980 - 2505 m	1444.5 - 1844.5 m	5) Potential losses due to FAULT ZONE	<ul style="list-style-type: none"> <li>- Keep ECD below 1.70sg.</li> <li>- Monitor mud losses carefully.</li> <li>- Monitor for fracture related cavings.</li> <li>- An increase in mud weight NOT recommended due to destabilisation of failed material across fault zone.</li> <li>- Do not rotate BHA across fault zone.</li> </ul>
6 -	1990 - 2070 m	1450 - 1500 m	6) Possible Bedding Parallel Formation Failure. High volumes of cavings, danger of packoff	<ul style="list-style-type: none"> <li>- Monitor caving morphology for bedding parallel failure</li> <li>- Maintain good hole cleaning, reduce ROP if caving volume becomes excessive with increased hole cleaning.</li> <li>- Do not increase mud weight</li> </ul>
7 -	2725 - 2850 m	2040 - 2157 m	7) Potential BREAKOUT using 1.65 sg mud weight	<ul style="list-style-type: none"> <li>- Monitor caving volumes</li> <li>- Observe caving morphology</li> </ul>
8 -	2883 - 2925 m	2189 - 2228 m	8) Potential mud losses in fractured Balder/Sele if ECD exceeds 1.68 sg.	<ul style="list-style-type: none"> <li>- Keep ECD low (&lt;1.68 sg)</li> <li>- Observe for losses</li> <li>- LCM may be necessary</li> </ul>

FIG 7

# Safe Mud Window

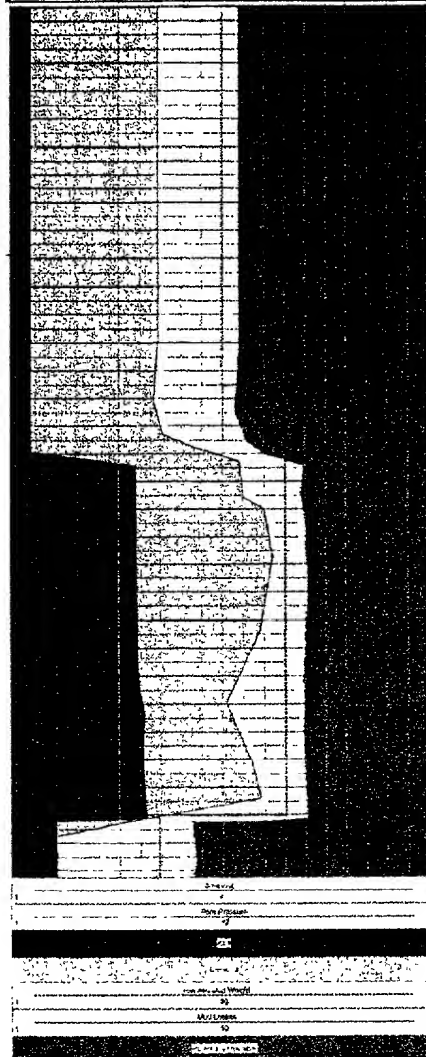


FIG 8